

**CD8 alpha&beta Heterodimer**  
Catalog # PVGS1940**Specification**

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**CD8 alpha&beta Heterodimer - Product Information**Primary Accession [P01731\(CD8 alpha\)&P10300\(CD8 beta\)](#)**Species**  
Mouse**Sequence**

Lys28-Tyr196(CD8 alpha) acidic tail and Leu22-Thr175(CD8 beta) basic tail

**Purity**> 95% as determined by Bis-Tris PAGE  
> 95% as determined by HPLC**Endotoxin Level**

Less than 1EU per µg by the LAL method.

**Expression System**

HEK293

**Theoretical Molecular Weight**

24.80 kDa (CD8 alpha) and 23.17 kDa (CD8 beta)

**Formulation****Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).****Reconstitution**

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

**Storage & Stability**

Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

**CD8 alpha&beta Heterodimer - Additional Information****Target Background**

CD8 alpha&amp;beta (CD8αβ) is a heterodimeric form of CD8. CD8α is required for surface expression of CD8β. The extracellular IgV-like domain of CD8α interacts with the α3 portion of the class I MHC molecule. CD8αβ is expressed on human peripheral T cells and functions as a coreceptor and can greatly increase the sensitivity and breadth of antigen recognition by CD8+ peripheral T cells bearing TCR.

**CD8 alpha&beta Heterodimer - Protein Information**

## **CD8 alpha&beta Heterodimer - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **CD8 alpha&beta Heterodimer - Images**